SEQUENCE LISTING

<110> Abbott Laboratories
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        Jiang, Lily
        Gutierrez, Robin A.
        Leary, Thomas P.
        Desai, Suresh
        Stewart, James L.

<120> Methods For The simultaneous Detection
    Of HCV Antigens And HCV Antibodies

<130> 6821.US.O1

<140> 09/891,983
<141> 2001-06-26

<160> 36

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 1
atagaattcc atgcagaaaa aaaacaaacg taacaccaac   40

<210> 2
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 2
cggctgagaa cgttcagagg ttttaacgat ctgaccacca cccggg   46

<210> 3
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 3

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aaaacctctg aacgttctca gccg                                              24

<210> 4
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 4
tatggatcct tattacggag acagcagcca accagc                                 36

<210> 5
<211> 244
<212> DNA
<213> Hepatitis C Virus

<400> 5
gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt       60
cccgggtggt ggtcagatcg ttaaaacctc tgaacgttct cagccgcgtg ggcgtcgtca      120
gccgatcccg aaagctcgtc gtccggaagg tcgtacctgg gctcagccgg gttacccgtg      180
gccgctgtac ggtaacgaag gttgcggttg ggcaggttgg ctgctgtctc cgtaataagg      240
atcc                                                                   244

<210> 6
<211> 75
<212> PRT
<213> Hepatitis C Virus

<400> 6
Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
1               5                   10                  15
Lys Phe Pro Gly Gly Gly Gln Ile Val Lys Thr Ser Glu Arg Ser Gln
            20                  25                  30
Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly
        35                  40                  45
Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu
    50                  55                  60
Gly Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro
65                  70                  75

<210> 7
<211> 280
<212> DNA
<213> Hepatitis C Virus

<400> 7
gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt       60
cccgggtggt ggtcagatcg ttggtctgct gccgcgtcgt ggtccgcgtc tgggtcgtaa      120
aacctctgaa cgttctcagc cgcgtgggcg tcgtcagccg atcccgaaag ctcgtcgtcc      180
ggaaggtcgt acctgggctc agccgggtta cccgtggccg ctgtacggta acgaaggttg      240
cggttgggct ggttggctgc tgtctccgta ataaggatcc                            280

<210> 8
<211> 87
<212> PRT
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<213> Hepatitis C Virus

<400> 8
Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
1   5   10   15
Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Leu Leu Pro Arg Arg Gly
            20   25   30
Pro Arg Leu Gly Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg
            35   40   45
Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala
        50   55   60
Gln Pro Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp
65   70   75   80
Ala Gly Trp Leu Leu Ser Pro
                85

<210> 9
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 9
acccagacgc ggaccacgac gcggcagcag accaacgatc tgaccaccac cc   52

<210> 10
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 10
ccgcgtcgtg gtccgcgtct gggtcgtaaa acctctgaac gttctcag   48

<210> 11
<211> 301
<212> DNA
<213> Hepatitis C Virus

<400> 11
gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt   60
cccgggtggt ggtcagatcg ttggtggtgt ttacgttctg ccgcgtcgtg gtccgcgtct   120
gggtgttctg gctacgcgta aaacctctga acgttctcag ccgcgtgggc gtcgtcagcc   180
gatcccgaaa gctcgtcgtc cggaaggtcg tacctgggct cagccgggtt acccgtggcc   240
gctgtacggt aacgaaggtt gcggttgggc tggttggctg ctgtctccgt aataaggatc   300
c   301

<210> 12
<211> 94
<212> PRT
<213> Hepatitis C Virus

<400> 12

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Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
1               5                   10                  15
Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Val Leu Pro
            20                  25                  30
Arg Arg Gly Pro Arg Leu Gly Val Leu Ala Thr Arg Lys Thr Ser Glu
            35                  40                  45
Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg
        50                  55                  60
Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr
65                  70                  75                  80
Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro
                85                  90
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<210> 13
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 13
acccagacgc ggaccacgac gcggcagaac gtaaacacca ccaac                45


<210> 14
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 14
ccgcgtcgtg gtccgcgtct gggtgttctg gctacgcgta aaacc                45


<210> 15
<211> 300
<212> DNA
<213> Hepatitis C Virus

<220>
<221> misc_feature
<222> (100)...(100)
<223> n = a or g or c or t/u, unknown, or other at
      position 100

<400> 15
gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt    60
cccgggtggt ggtcagatcg ttggtggtgt ttacctgctn ccgcgtcgtg gtccgcgtct   120
gggtgttcgt gctacgcgta aaacctctga acgttctcag ccgcgtgggc gtcgtcagcc   180
gatccgaaag ctcgtcgtcc ggaaggtcgt acctgggctc agccgggtta cccgtggccg   240
ctgtacggta acgaaggttg cggttgggct ggttggctgc tgtctccgta ataaggatcc   300


<210> 16
<211> 94
<212> PRT
<213> Hepatitis C Virus
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<400> 16

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Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
1               5               10              15
Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu Leu Pro
            20              25              30
Arg Arg Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys Thr Ser Glu
            35              40              45
Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg
    50              55              60
Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr
65              70              75              80
Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro
                85              90
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<210> 17
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 17
gatcgctcga attcctcg   18

<210> 18
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 18
ttctagcgag cttaaggagc   20

<210> 19
<211> 18
<212> PRT
<213> Hepatitis C Virus

<400> 19
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Met Ser Thr Asn Pro Lys Pro Gln Lys Lys Asn Lys Arg Asn Thr Asn
1               5               10              15
Arg Arg
```

<210> 20
<211> 18
<212> PRT
<213> Hepatitis C Virus

<400> 20
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Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val Lys Phe Pro Gly
1               5               10              15
Gly Gly
```

<210> 21
<211> 18
<212> PRT
<213> Hepatitis C Virus

<400> 21
Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu
1   5   10   15
Leu Pro

<210> 22
<211> 18
<212> PRT
<213> Hepatitis C Virus

<400> 22
Val Gly Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val
1   5   10   15
Arg Ala

<210> 23
<211> 18
<212> PRT
<213> Hepatitis C Virus

<400> 23
Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys Thr Ser Glu Arg Ser
1   5   10   15
Gln Pro

<210> 24
<211> 18
<212> PRT
<213> Hepatitis C Virus

<400> 24
Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro
1   5   10   15
Lys Ala

<210> 25
<211> 18
<212> PRT
<213> Hepatitis C Virus

<400> 25
Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp
1   5   10   15
Ala Gln

<210> 26
<211> 18
<212> PRT
<213> Hepatitis C Virus

<400> 26
Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr
1   5   10   15
Gly Asn

<210> 27
<211> 19
<212> PRT
<213> Hepatitis C Virus

<400> 27
Gln Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp Ala Gly
1   5   10   15
Trp Leu Leu

<210> 28
<211> 17
<212> PRT
<213> Hepatitis C Virus

<400> 28
Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser
1   5   10   15
Trp

<210> 29
<211> 25
<212> PRT
<213> Hepatitis C Virus

<400> 29
Trp Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp
1   5   10   15
Pro Arg Arg Arg Ser Arg Asn Leu Gly
            20   25

<210> 30
<211> 25
<212> PRT
<213> Hepatitis C Virus

<400> 30
Ser Trp Gly Pro Thr Asp Pro Arg Arg Arg Ser Arg Asn Leu Gly Lys
1   5   10   15
Val Ile Asp Thr Leu Thr Cys Gly Phe
            20   25

<210> 31
<211> 25

<212> PRT
<213> Hepatitis C Virus

<400> 31
Ser Arg Asn Leu Gly Lys Val Ile Asp Thr Leu Thr Cys Gly Phe Ala
1   5   10   15
Asp Leu Met Gly Tyr Ile Pro Leu Val
            20   25

<210> 32
<211> 25
<212> PRT
<213> Hepatitis C Virus

<400> 32
Leu Thr Cys Gly Phe Ala Asp Leu Met Gly Tyr Ile Pro Leu Val Gly
1   5   10   15
Ala Pro Leu Gly Gly Ala Ala Arg Ala
            20   25

<210> 33
<211> 25
<212> PRT
<213> Hepatitis C Virus

<400> 33
Tyr Ile Pro Leu Val Gly Ala Pro Leu Gly Gly Ala Ala Arg Ala Leu
1   5   10   15
Ala His Gly Val Arg Val Leu Glu Asp
            20   25

<210> 34
<211> 25
<212> PRT
<213> Hepatitis C Virus

<400> 34
Gly Ala Ala Arg Ala Leu Ala His Gly Val Arg Val Leu Glu Asp Gly
1   5   10   15
Val Asn Tyr Ala Thr Gly Asn Leu Pro
            20   25

<210> 35
<211> 23
<212> PRT
<213> Hepatitis C Virus

<400> 35
Leu Glu Asp Gly Val Asn Tyr Ala Thr Gly Asn Leu Pro Gly Cys Ser
1   5   10   15
Phe Ser Ile Phe Leu Leu Ala
            20

<210> 36
<211> 23
<212> PRT
<213> Hepatitis C Virus

<400> 36
Leu Pro Gly Cys Ser Phe Ser Ile Phe Leu Leu Ala Leu Leu Ser Cys
 1   5   10   15
Leu Thr Val Pro Ala Ser Ala
            20